L	Hits	Search Text	DB	Time stamp
Number				-
1	40	(record\$3 or stor\$3) near2 (interactive adj2 (video or program\$5)) and 725/\$.ccls.	USPAT	2004/04/28
2	20	(record\$3 or stor\$3) near2 (interactive adj2 (video or program\$5)) and	USPAT	2004/04/28 09:31
3	43	386/\$.ccls. smith.in. and 725/\$.ccls.	USPAT	2004/04/28
4	3	(smith.in. and 725/\$.ccls.) and gateway.as.	USPAT	2004/04/28
5	51	(record\$3 or stor\$3) near4 (vbi and program\$4) and 725/\$.ccls.	USPAT	2004/04/28
6	2331	(record\$3 or stor\$3) near4 (vbi or information or data) and (filter\$3 or separat\$4) and 725/\$.ccls.	USPAT	2004/04/28 10:07
7	2331	((record\$3 or stor\$3) near4 (vbi or information or data) and (filter\$3 or separat\$4) and 725/\$.ccls.) and 725/\$.ccls.	USPAT	2004/04/28
8	2331	((record\$3 or stor\$3) near4 (vbi or information or data)) and (filter\$3 or separat\$4) and 725/\$.ccls.	USPAT	2004/04/28 10:07
9	364	725/25-29,104.ccls.	USPAT	2004/04/28
10	216	(((record\$3 or stor\$3) near4 (vbi or information or data)) and (filter\$3 or separat\$4) and 725/\$.ccls.) and 725/25-29,104.ccls.	USPAT	2004/04/28
11	1	((((record\$3 or stor\$3) near4 (vbi or information or data)) and (filter\$3 or separat\$4) and 725/\$.ccls.) and 725/25-29,104.ccls.) and ((play or play\$1back) near4 (interactive\$2 near3 program\$4))	USPAT	2004/04/28 10:09
12	108	webtv.as.	USPAT	2004/04/28
13	69	725/121.ccls.	USPAT	2004/04/28
14	113	725/60-61.ccls.	USPAT	2004/04/28 10:12
15	88	725/60-61.ccls. and (record\$3)	USPAT	2004/04/28 10:18
16	60	725/60-61.ccls. and (interactive) and (live or real\$1tim\$3 or sport\$3)	USPAT	2004/04/28
17	1	725/60-61.ccls. and (record\$3) near4 (enhance\$2 or interactive\$2 or embed\$4) near3 (program\$4 or channel\$2 or station\$2)	USPAT	2004/04/28
18	0	725/60-61.ccls. and (record\$3) near4 (enhance\$2 or interactive\$2program\$4 or embed\$4) near3 (program\$4 or channel\$2 or station\$2)	USPAT	2004/04/28
19	8	725/\$.ccls. and (record\$3) near4 (enhance\$2 or interactive\$2program\$4 or embed\$4) near3 (program\$4 or channel\$2 or station\$2)	USPAT	2004/04/28 10:32
20	11	725/\$.ccls. and (stor\$3) near4 (enhance\$2 or interactive\$2program\$4 or embed\$4) near3 (program\$4 or channel\$2 or station\$2)	USPAT	2004/04/28
21	1	6317882.pn.	USPAT	2004/04/28 10:37

0.0	40	(#3045304# + #4005051# + #4103717#		1 0004 /04 /00
22	40	("3845391"   "4025851"   "4123717"     "4230990"   "4450531"   "4639779"	USPAT	2004/04/28
		"4682370"   "4694490"   "4704725"		10:35
		4682370°   4694490   4704725     "4706121"   "4857999"   "5125028"		
		"5152011"   "5210611"   "5212818"		
		"5220682"   "5239681"   "5303401"		
		"5416508"   "5513385"   "5577048"		
		"5581614"   "5584061"   "5640484"		
		"5640696"   "5643088"   "5657072"		
		"5699107"   "5732338"   "5749048"		
		"5790198"   "5802066"   "5826165"		
		"5852478"   "5949492"   "5956455"		
		"5969715"   "5991498"   "6173112"		
	100	"6185360").PN.		
23	106	' '-'-' ' ' ' ' ' ' ' ' ' ' ' '	USPAT	2004/04/28
24	46	vbi or parent\$4control\$4)  ((stor\$3 or record\$3) near3 (v\$1chip or	USPAT	10:40
24	10	vbi or parent\$4control\$4)) and	OSPAI	10:39
		725/\$.ccls.		10.33
25	11	(stor\$3 or record\$3) near3 (v\$1chip or	USPAT	2004/04/28
		vbi or parent\$4control\$4) same (play or		10:44
		play\$1back)		
26	1	(stor\$3 or record\$3) near3 (v\$1chip or	USPAT	2004/04/28
		parent\$4control\$4) same (play or		11:31
		play\$1back)		
27	1	5805763.pn.	USPAT	2004/04/28
28	3	(hand01-nd nn4 nontnol04) asith	II.C.D.A.M.	11:45
20	3	(head\$1end near4 control\$4) with (record\$3) with (new\$1 or urgen\$4 or	USPAT	2004/04/28
		(records) with (news) of digens4 of   updat\$3)		11:50
29	365	((head\$1end or controll\$3) near4	USPAT	2004/04/28
		control\$4) with (record\$3) with (new\$1 or	002.11	11:51
		urgen\$4 or updat\$3)		
30	15	(((head\$1end or control1\$3) near4	USPAT	2004/04/28
		control\$4) with (record\$3) with (new\$1 or		11:51
		urgen\$4 or updat\$3)) and 725/\$.ccls.		
31	14	("Re36763"   "5485219"   "5537216"	USPAT	2004/04/28
		"5719943"   "5825968"   "5856852"		11:58
		"5991500"   "6047103"   "6052145"     "6073122"   "6091882"   "6100916"		
		"6111611"   "6115533").PN.		
32	1	(((head\$1end or controll\$3) near4	USPAT	2004/04/28
,		control\$4) with (record\$3) with (new\$1 or		11:57
		urgen\$4 or updat\$3)) and (("Re36763"		
		"5485219"   "5537216"   "5719943"		
		"5825968"   "5856852"   "5991500"		
		"6047103"   "6052145"   "6073122"		
		"6091882"   "6100916"   "6111611"		
	1	"6115533").PN.)   6615248.pn.	IICDAM	2004/04/20
_	1	0010210.pm.	USPAT	2004/04/20 16:05
_	1	6405371.pn.	USPAT	2004/04/08
				09:37
-	1	6421067.pn.	USPAT	2004/04/08
				09:38
-	1	6049333.pn.	USPAT	2004/04/08
	_			09:51
-	1	5805763.pn.	USPAT	2004/04/08
1_	,	6029045 nn	Hebam	09:42
-	1	6029045.pn.	USPAT	2004/04/08
1_	1	6425128.pn.	USPAT	2004/04/08
1	*	0.100120.pm.	JULAT	09:42
1_	1	6070186.pn.	USPAT	2004/04/08
]	-	F		09:43
-	65	725/34.ccls.	USPAT	2004/04/08
				09:46
-	1	6571392.pn.	USPAT	2004/04/08
		705 /100 110 124 3		10:04
-	317	725/109,110,134.ccls.	USPAT	2004/04/08
	<u> </u>		l	15:38

-	29	345/718.ccls.	USPAT	2004/04/08 10:49
-	1	5635979.pn.	USPAT	2004/04/08 10:49
-	164	725/109,110,134.ccls. and (eject\$3 or remov\$3 or replac\$3)	USPAT	2004/04/08 14:11
-	5	(725/109,110,134.ccls. and (eject\$3 or remov\$3 or replac\$3)) and ((constant\$2 or dedicat\$3 or permanent\$2) with (tuner\$1))	USPAT	2004/04/08 14:21
-	377	725/109,110,134,34.ccls.	USPAT	2004/04/08 14:21
-	8	725/109,110,134,34.ccls. and ((constant\$2 or dedicat\$3 or permanent\$2) with (tuner\$1))	USPAT	2004/04/08 14:57
_	22	("3617630"   "3898377"   "4425581"   "4706121"   "5038211"   "5613190"   "5666293"   "5740549"   "5754783"   "5774664"   "5774666"   "5778181"   "5819273"   "5857181"   "5933827"   "5991735"   "6005565"   "6151059"   "6172677"   "6215483"   "6236395"	USPAT	2004/04/08 14:30
-	О	"6452609").PN. 6615248.URPN.	USPAT	2004/04/08
-	99	725/134.ccls.	USPAT	14:35 2004/04/08 15:01
-	60881	(dedicat\$3 or fixed or constant\$2) near5 (frequency or tuner\$1)	USPAT	2004/04/08 15:08
-	7	725/134.ccls. and ((dedicat\$3 or fixed or constant\$2) near5 (frequency or tuner\$1))	USPAT	2004/04/08 14:58
_	0	725/134.ccls. and back\$1plane\$1	USPAT	2004/04/08 15:01
-	6	((dedicat\$3 or fixed or constant\$2) near5 (frequency or tuner\$1)) and 725/142.ccls.	USPAT	2004/04/08 15:01 2004/04/08
_	502	725/142.ccls. (dedicat\$3 or fixed or constant\$2) near5	USPAT USPAT	2004/04/08   15:05   2004/04/08
_	7	(tuner\$1) ((dedicat\$3 or fixed or constant\$2) near5	USPAT	15:10 2004/04/08
-	136	<pre>(tuner\$1)) and (back\$1plane\$1) ((dedicat\$3 or fixed or constant\$2) near5 (tuner\$1)) same (stb or receiver\$1 or</pre>	USPAT	15:09 2004/04/08 15:11
-	80	<pre>subscriber\$1 or set\$1top\$1box\$2) ((dedicat\$3 or fixed or constant\$2) near5 (tuner\$1)) with (stb or receiver\$1 or subscriber\$1 or set\$1top\$1box\$2)</pre>	USPAT	2004/04/13 08:34
_	3	granger.in. and 725/\$.ccls.	USPAT	2004/04/08 15:30
-	189	725/80,82,78.ccls.	USPAT	2004/04/08 15:31
_	16	((dedicat\$3 or fixed or constant\$2) near5 (frequency or tuner\$1)) and 725/80,82,78.ccls.	USPAT	2004/04/08 15:31
-	99	725/134.ccls.	USPAT	2004/04/08 16:12
-	531	tuner with (constant\$2 or dedicat\$3 or permanent\$2) with (tune\$1)	USPAT	2004/04/08 16:13
-	50	(tuner with (constant\$2 or dedicat\$3 or permanent\$2) with (tune\$1)) and 725/\$.ccls.	USPAT	2004/04/08 16:14
-	82	725/32-36.ccls. and 348/\$.ccls.	USPAT	2004/04/08 16:34
_	7	((dedicat\$3 or fixed or constant\$2) near5 (tuner\$1)) with (stb or receiver\$1 or subscriber\$1 or set\$1top\$1box\$2) with	USPAT	2004/04/13 08:53
_	35	<pre>(interacti\$4 or addition\$4 information\$2) ((dedicat\$3 or fixed or constant\$2) near5 (tuner\$1)) with (interacti\$4 or addition\$4 information\$2)</pre>	USPAT	2004/04/13 11:04
_	645	((add or addition\$2 or provid\$3 or more or add\$1on\$1) near5 (tuner\$1)) with (interacti\$4 or addition\$4 information\$2)	USPAT	2004/04/13 11:05

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-	103	(((add or addition\$2 or provid\$3 or more or add\$1on\$1) near5 (tuner\$1)) with	USPAT	2004/04/13 11:06
-	26	or add\$1on\$1) near5 (tuner\$1)) with (interacti\$4 or addition\$4	USPAT	2004/04/13 11:32
		<pre>information\$2)) and 725/\$.ccls.) not "In addition"</pre>		
-	21	5483277.URPN.	USPAT	2004/04/13 11:15
-	542	725/34,109,110,134,142,32,36.ccls.	USPAT	2004/04/13 12:33
_	480	<pre>(download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1) with (subscriber\$1 or set\$1top\$1box\$2 or set\$1top\$1terminal\$1 or stb)</pre>	USPAT	2004/04/13 11:37
-	36	(broadcast\$3 or head\$1end\$1 or provider\$1) with (download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1) with (subscriber\$1 or set\$1top\$1box\$2 or set\$1top\$1terminal\$1 or stb)	USPAT	2004/04/13
_	32	(broadcast\$3 or head\$1end\$1 or provider\$1) with (download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1) with (control\$4 with (display or screen or tv or menu))	USPAT	2004/04/13 11:46
-	5	725/34,109,110,134,142,32,36.ccls. and (upgrad\$6 with (tuner\$1))	USPAT	2004/04/13 12:33
-	29	345/718.ccls.	USPAT	2004/04/13 14:01
-	1744	(plurality or multiple) with (tuner\$1)	USPAT	2004/04/13 16:06
-	15	((plurality or multiple) with (tuner\$1)) and 725/43.ccls.	USPAT	2004/04/13
-	341	((plurality or multiple) with (tuner\$1)) and 725/\$.ccls.	USPAT	2004/04/13 16:08
_	58	<pre>(((plurality or multiple) with (tuner\$1)) and 725/\$.ccls.) and (second\$3 near3 tuner\$1)</pre>	USPAT	2004/04/13 16:09
_	19	((((plurality or multiple) with (tuner\$1)) and 725/\$.ccls.) and (second\$3 near3 tuner\$1)) and interact\$4	USPAT	2004/04/13 16:23
_	11	345/\$.ccls. and ((dedicat\$3 or fix\$3 or constant\$2) near4 (tuner\$1))	USPAT	2004/04/14 12:27
-	32	345/\$.ccls. and (tuner\$1 near3 card\$1)	USPAT	2004/04/14 17:02
-	1465	<pre>(control\$4 or operat\$4) with (dvr or pvr or record\$5) with (head\$1end or broadcast\$3)</pre>	USPAT	2004/04/15 10:02
-	4372	725/\$.ccls.	USPAT	2004/04/15 10:02
-	254	((control\$4 or operat\$4) with (dvr or pvr or record\$5) with (head\$1end or broadcast\$3)) and 725/\$.ccls.	USPAT	2004/04/15 10:02
_	7	725/34.ccls. and ((control\$4 or operat\$4) with (dvr or pvr or record\$5) with (head\$1end or broadcast\$3))	USPAT	2004/04/15 10:05
_	1	5892536.pn.	USPAT	2004/04/15 10:51
_	13	lawler.in. and 725/\$.ccls.	USPAT	2004/04/15 11:07
-	183	(interact\$4 near4 (guide or menu or program\$4)) with (Internet or	USPAT	2004/04/15 11:14
_	4372	world\$1wide\$1web) 725/\$.ccls.	USPAT	2004/04/15 11:09

_	29	or menu or program\$4)) with (Internet or	USPAT	2004/04/15 11:09
-	0	world\$1wide\$1web)     ((interact\$4 near4 (guide or menu or   program\$4)) with (Internet or	USPAT	2004/04/15 11:15
		<pre>world\$1wide\$1web) ) and ((link\$3 or hyper\$1link\$3) near5 (vbi or data\$1cast))</pre>		
-	2	<pre>((interact\$4 near4 (guide or menu or program\$4)) with (Internet or world\$1wide\$1web) ) and ((link\$3 or</pre>	USPAT	2004/04/15 11:15
	10	hyper\$1link\$3 or internet or web\$1page\$1) near5 (vbi or data\$1cast))	USPAT	2004/04/15
		"5857190"   "5861881"   "5931908"   "5982445"   "5991596"   "6097441"	USPAI	11:16
-	1	6675388.pn.	USPAT	2004/04/15
-	8	updat\$3 near3 (software\$1) with (stb or set\$1top\$1box or subscriber\$1) and 725/\$.ccls.	USPAT	2004/04/15 12:20
-	14	(hard\$1drive or storage or record\$3) near3 (adapter\$1) and 725/\$.ccls.	USPAT	2004/04/15 12:26
-	29	(subscriber or stb or set\$1top\$1box\$2) and (hard\$1drive or storage or record\$3 or memory) near5 (adapter\$1) and	USPAT	2004/04/15
-	9	725/\$.ccls. ((hard\$1drive or storage or record\$3) near3 (adapter\$1) and 725/\$.ccls.) not ((subscriber or stb or set\$1top\$1box\$2)	USPAT	2004/04/15 12:26
		and (hard\$1drive or storage or record\$3 or memory) near5 (adapter\$1) and 725/\$.ccls.)		
-	1070	710/\$.ccls. and ((storage or memory) near4 (adapter\$1))	USPAT	2004/04/15
-	4	(710/\$.ccls. and ((storage or memory) near4 (adapter\$1))) and 725/\$.ccls.	USPAT	2004/04/15 13:18
_	2	storage near4 adapter with (stb or set\$1top\$1box\$2 or subscriber)	USPAT	2004/04/15 13:27
-	1467	remov\$4 near4 (memory or storage or hard\$1drive) with (stb or set\$1top\$1box\$2 or subscriber or dvr or pvr or record\$3)	USPAT	2004/04/15 13:27
_	20		USPAT	2004/04/15 14:29
-	18	tivo.as.	USPAT	2004/04/15 14:54
-	207735	(multipl\$5 or pluralit\$3 or second\$3) near3 (storag\$4 or memor\$3 or record\$5)	USPAT	2004/04/15 14:41
-	2126	stb or set\$1top\$1box or subscriber\$1box\$2	USPAT	2004/04/15 14:42
-	813	((multipl\$5 or pluralit\$3 or second\$3) near3 (storag\$4 or memor\$3 or record\$5)) and (stb or set\$1top\$1box or	USPAT	2004/04/15 14:42
_	52	<pre>subscriber\$1box\$2) (((multipl\$5 or pluralit\$3 or second\$3) near3 (storag\$4 or memor\$3 or record\$5)) and (stb or set\$1top\$1box or subscriber\$1box\$2)) and 725/\$.ccls.</pre>	USPAT	2004/04/15 14:47
-	171	(stb or set\$1top\$1box or subscriber\$1box\$2) and 725/\$.ccls.	USPAT	2004/04/15 14:48
-	115	<pre>((stb or set\$1top\$1box or subscriber\$1box\$2) and 725/\$.ccls.) and (storage)</pre>	USPAT	2004/04/15 14:48
-	729	386/46.ccls.	USPAT	2004/04/15 14:55
-	65	386/92.ccls.	USPAT	2004/04/15 14:56
-	36	386/92.ccls. and storage	USPAT	2004/04/15 15:20

		_	-	
-	0	(386/92.ccls. and storage) and (stb or set\$1top\$1box or subscriber\$1box\$2)	USPAT	2004/04/15 14:56
-	10764	(dedicat\$4 or devot\$3 or commit\$4 or	USPAT	2004/04/15
		set\$laside or partition\$3) with (storage or hard\$ldrive or memory) and (stb or pvr		17:14
_	150	or dvr or record\$3) ((dedicat\$4 or devot\$3 or commit\$4 or	USPAT	2004/04/15
	130	set\$1aside or partition\$3) with (storage	OSFAI	15:22
		or hard\$1drive or memory) and (stb or pvr or dvr or record\$3)) and 725/\$.ccls.		
_	78	(((dedicat\$4 or devot\$3 or commit\$4 or	USPAT	2004/04/15
		set\$laside or partition\$3) with (storage or hard\$ldrive or memory) and (stb or pvr		15:22
		or dvr or record\$3)) and 725/\$.ccls.) and		
_	19	<pre>interactive ((((dedicat\$4 or devot\$3 or commit\$4 or</pre>	USPAT	2004/04/15
		set\$laside or partition\$3) with (storage or hard\$ldrive or memory) and (stb or pvr		15:28
		or dvr or record\$3)) and 725/\$.ccls.) and		
		interactive) and (partition\$3 near4 (storage or memory or drive or		
		hard\$1drive or pvr or dvr))		
_	30	<pre>(((dedicat\$4 or devot\$3 or commit\$4 or set\$laside or partition\$3) with (storage</pre>	USPAT	2004/04/15 15:30
		or hard\$1drive or memory) and (stb or pvr or dvr or record\$3)) and 725/\$.ccls.) and		
		(partition\$3 near4 (storage or memory or		
_	129	drive or hard\$1drive or pvr or dvr)) 348/\$.ccls. and (partition\$3 near4	USPAT	2004/04/15
		(storage or memory or drive or		15:30
_	22	hard\$1drive or pvr or dvr))   348/\$.ccls. and (partition\$3 near4	USPAT	2004/04/15
		(storage or drive or hard\$1drive or pvr or dvr))		15:32
-	27	386/\$.ccls. and (partition\$3 near4	USPAT	2004/04/15
		<pre>(storage or drive or hard\$1drive or pvr or dvr))</pre>		15:32
-	1	(stb and ((plurality or multiple) with	USPAT	2004/04/15
		(drive\$1 or hard\$1drive\$1))) and 386/\$.ccls.		16:29
-	10	<pre>(stb and ((plurality or multiple) with (drive\$1 or hard\$1drive\$1))) and</pre>	USPAT	2004/04/15 16:29
		725/\$.ccls.		
_	51	<pre>(dvr or pvr) and ((plurality or multiple) with (drive\$1 or hard\$1drive\$1))</pre>	USPAT	2004/04/15 16:33
_	263	stb and ((plurality or multiple) with (drive\$1 or hard\$1drive\$1))	USPAT	2004/04/15
-	51	(dvr or pvr) and ((plurality or multiple)	USPAT	16:35 2004/04/15
_	27	with (drive\$1 or hard\$1drive\$1)) lawler.in. and record\$5	USPAT	16:36 2004/04/15
	59	725/146.ccls.		17:14
			USPAT	2004/04/16 08:24
-	9	(head\$1end or h/e or server\$1) with (record\$5) with (stb or dvr or pvr)	USPAT	2004/04/16 08:27
-	10	(head\$1end or h/e or server\$1) with	USPAT	2004/04/16
-	2	(record\$5) same (stb or dvr or pvr) 6208335.URPN.	USPAT	08:27   2004/04/16
_	37	("4706121"   "4751578"   "4860123"	USPAT	08:31 2004/04/16
		"4885775"   "4908713"   "4991011"		08:33
		"5038211"   "5070400"   "5151789"   "5182640"   "5307173"   "5357276"		
		"5359601"   "5400402"   "5410367"   "5477262"   "5479266"   "5479268"		
		"5485197"   "5508815"   "5515106"		
		"5530754"   "5532754"   "5550576"   "5568272"   "5585838"   "5585866"		:
		"5594509"   "5596373"   "5619249"		
		"5625406"   "5644354"   "5710601"   "5903816"   "5966162"   "5987245"		
		"6002394").PN.		

	605324	(head\$lend or headend or h/e or provider\$1 or server) with (control\$4 or manag\$5 or operat\$3) with2 (subscriber\$1 or user\$1 or stb or set\$1top\$1box or subscriber\$1equipment or consumer\$1 or	USPAT	2004/04/16 08:38
-	4372	dvr or pvr) 725/\$.ccls.	USPAT	2004/04/16
_	5697	(head\$lend or headend or h/e or provider\$l or server) with (control\$4 or manag\$5 or operat\$3) near4 (subscriber\$l or user\$l or stb or set\$ltop\$lbox or subscriber\$lequipment or consumer\$l or dvr or pvr)	USPAT	2004/04/16 08:39
-	499	725/\$.ccls. and ((head\$lend or headend or h/e or provider\$l or server) with (control\$4 or manag\$5 or operat\$3) near4 (subscriber\$l or user\$l or stb or set\$ltop\$lbox or subscriber\$lequipment or consumer\$l or dvr or pvr))	USPAT	2004/04/16 08:41
-	3	head\$lend with manag\$3 with (dvr or stb or set\$1top\$1box)	USPAT	2004/04/16 08:54
-	340	(725/\$.ccls. and ((head\$lend or headend or h/e or provider\$l or server) with (control\$4 or manag\$5 or operat\$3) near4 (subscriber\$l or user\$l or stb or set\$ltop\$lbox or subscriber\$lequipment or consumer\$l or dvr or pvr))) and record\$3	USPAT	2004/04/16 08:42
-	197	((725/\$.ccls. and ((head\$lend or headend or h/e or provider\$l or server) with (control\$4 or manag\$5 or operat\$3) near4 (subscriber\$l or user\$l or stb or set\$ltop\$lbox or subscriber\$lequipment or consumer\$l or dvr or pvr))) and record\$3) and manag\$3	USPAT	2004/04/16 08:42
-	0	<pre>manag\$3 with record\$3 with (dvr or stb or set\$1top\$1box)</pre>	USPAT	2004/04/16 08:54
-	33	(manag\$3 or control\$4) with record\$3 with (dvr or stb or set\$1top\$1box)	USPAT	2004/04/16
_	66	725/34.ccls. 725/34.ccls. and (stor\$3 or record\$3 or	USPAT USPAT	2004/04/16 09:10 2004/04/16
_	20	dvr or pvr or vcr or vtr) 725/34.ccls. and (send\$3 or transmit\$4 or	USPAT	09:23 2004/04/16
		download\$3 or plac\$3 or stor\$3) with (program\$5 or commercial\$1 or video\$1 or data) with (stb or consumer or subscriber or set\$1top\$1box)		09:31
-	61	manag\$3 with (dvr or pvr or stb)	USPAT	2004/04/16 09:32
-	23	(manag\$3 with (dvr or pvr or stb)) with (head\$1end or provider or server\$1)	USPAT	2004/04/16 10:14
-	31	(multiple or second\$4) with (drive\$1 or hard\$1drive\$1 or storag\$3) with (stb or dvr or pvr or set\$1top\$1box or set\$1top\$1terminal\$1)	USPAT	2004/04/16 10:17
-	311	725/151.ccls.	USPAT	2004/04/16 10:18
-	1	(725/151.ccls. and (storage or store\$1 or hard\$1drive\$1 drive\$1)) and (dvr or pvr)	USPAT	2004/04/16 10:21
-	1	725/151.ccls. and (dvr or pvr)	USPAT	2004/04/16 10:21
-	193	725/151.ccls. and (storage or store\$1 or hard\$1drive\$1 drive\$1)	USPAT	2004/04/16 10:24
-	36	(725/151.ccls. and (storage or store\$1 or hard\$1drive\$1 drive\$1)) and (multipl\$5) with (storage or store\$1 or hard\$1drive\$1 drive\$1)	USPAT	2004/04/16 10:40
-	3554	725/\$.ccls. and (multipl\$5) with (storage or store\$1 or hard\$1drive\$1 drive\$1) with2 (stb or stt or set\$1top\$1box\$2 or set\$1top\$1terminal\$1)	USPAT	2004/04/16 10:31

-	1	725/\$.ccls. and (multipl\$5) with (storage or store\$1 or hard\$1drive\$1 drive\$1) with	USPAT	2004/04/16
		(stb or stt or set\$1top\$1box\$2 or		10.31
	1129	set\$1top\$1terminal\$1) 386/\$.ccls. and (multipl\$5) with (storage	,,,,,,,,,	2004/04/16
-	1129	or store\$1 or hard\$1drive\$1 drive\$1)	USPAT	2004/04/16 10:41
-	48		USPAT	2004/04/16
		(storage or store\$1 or hard\$1drive\$1		10:41
	594	drive\$1)) and 725/\$.ccls.	11CDDM	2004/04/16
	394	386/\$.ccls. and (multipl\$5) near5   (storage or store\$1 or hard\$1drive\$1	USPAT	2004/04/16
		drive\$1)		
_	29	(386/\$.ccls. and (multipl\$5) near5	USPAT	2004/04/16
		(storage or store\$1 or hard\$1drive\$1 drive\$1)) and 725/\$.ccls.		10:46
_	473	microsoft.as. and (television or tv)	USPAT	2004/04/16
				10:46
-	101	<pre>(microsoft.as. and (television or tv)) and (multipl\$5) near5 (storage or store\$1</pre>	USPAT	2004/04/16
		or hard\$ldrive\$1 drive\$1)		11:01
_	0	(microsoft.as. and (television or tv))	USPAT	2004/04/16
		and ("one or more") near5 (storage or		10:55
_	0	store\$1 or hard\$1drive\$1 drive\$1)   725/\$.ccls. and ("one or more") near5	USPAT	2004/04/16
		(storage or store\$1 or hard\$1drive\$1	OSPAI	10:56
	_	drive\$1)		
-	0	725/\$.ccls. and ("one or more") near5 (storage or store\$1 or storage\$1device\$1	USPAT	2004/04/16
		or hard\$1drive\$1 drive\$1)		10:36
-	7	, , , (**************	USPAT	2004/04/16
		or storage\$1device\$1 or hard\$1drive\$1 drive\$1)		10:56
_	26	("one or more") near5 (storage or store\$1	USPAT;	2004/04/16
	·	or storage\$1device\$1 or hard\$1drive\$1	US-PGPUB;	10:57
	101	drive\$1)	IBM_TDB	0004/04/06
-	101	(microsoft.as. and (television or tv)) and (multipl\$5 or "more than one" or "one	USPAT	2004/04/16
		or more") near5 (storage or store\$1 or		11.01
		hard\$1drive\$1 drive\$1)		
-	6	((microsoft.as. and (television or tv)) and (multipl\$5 or "more than one" or "one	USPAT	2004/04/16
		or more") near5 (storage or store\$1 or		11.01
		hard\$1drive\$1 drive\$1)) and 725/\$.ccls.		
_	0	709/\$.ccls. and (multiple near3 hard\$1drive\$1)	USPAT	2004/04/16
_	. 1		USPAT	2004/04/16
	0.45	hard\$1drive\$1)		12:24
-	343	709/\$.ccls. and 725/\$.ccls.	USPAT	2004/04/16
-	297	(709/\$.ccls. and 725/\$.ccls.) and	USPAT	2004/04/16
		(hard\$1drive\$1 or drive\$1 or storage\$1 or		12:26
_	27	disk\$1)   ((709/\$.ccls. and 725/\$.ccls.) and	USPAT	2004/04/16
	21	(hard\$ldrive\$1 or drive\$1 or storage\$1 or	USFAI	12:44
		disk\$1)) and (stb or stt or		
_	,	<pre>set\$1top\$1box\$2 or set\$1top\$1terminal\$1) 725/\$.ccls. and ((multiple or "one or</pre>	USPAT	2004/04/16
	3	more" or "more than one" or plurality)	USPAI	12:49
		with (stor\$3 or memor\$3 or disk\$1 or		
		drive\$1 or hard\$1drive\$1) with (stt or		
		<pre>stb or set\$1top\$1box\$2 or set\$1top\$1terminal\$1 or dvr or pvr))</pre>		
-	5	((multiple or "one or more" or "more than	USPAT	2004/04/16
		one" or plurality) with (stor\$3 or		12:49
		memor\$3 or disk\$1 or drive\$1 or hard\$1drive\$1) with (dvr or pvr))		
-	1556	((multiple or "one or more" or "more than	USPAT	2004/04/16
		one" or plurality) with (stor\$3 or		12:50
		memor\$3 or disk\$1 or drive\$1 or hard\$1drive\$1) with (stb or stt or		
		subscriber\$))		

-	14	((multiple or "one or more" or "more than	USPAT	2004/04/16
		one" or plurality) with (stor\$3 or		13:05
		memor\$3 or disk\$1 or drive\$1 or		
				l i
		hard\$1drive\$1) with (stb))		
-	500		USPAT	2004/04/16
		subscription) with (service or program\$4)		13:39
l <b>-</b>	96	((stor\$3 or record\$3) with (premium or	USPAT	2004/04/16
	""	subscription) with (service or program\$4)	<b>V</b>	13:13
				15.15
		) and 725/\$.ccls.		
-	60	725/86.ccls. and (subscription\$1 or	USPAT	2004/04/16
		premium\$1 or service\$1)		13:13
_	58	(725/86.ccls. and (subscription\$1 or	USPAT	2004/04/16
		premium\$1 or service\$1)) and (stor\$3 or		13:26
		record\$3)		13.20
	40		******	0004/04/16
-	48	strubbe.in.	USPAT	2004/04/16
-				13:30
-	1	5483278.pn.	USPAT	2004/04/16
+		-		13:38
_	55	vallone.in.	USPAT	2004/04/16
	1			13:38
	.		IICD2 m	
-	1	vallone.in. and tivo.as.	USPAT	2004/04/16
	ł			13:38
-	729	(stor\$3 or record\$3) with (preferenc\$3)	USPAT	2004/04/16
	f	with (service or program\$4)		13:39
_	86	((stor\$3 or record\$3) with (preferenc\$3)	USPAT	2004/04/16
		with (service or program\$4) ) and		13:40
		725/\$.ccls.		10.30
	1		Hanzm	2004/04/20
-	13	"626787"	USPAT;	2004/04/19
	i		DERWENT	16:09
-	16	"552806"	USPAT;	2004/04/19
			DERWENT	16:10
_	3	552806.pn.	USPAT;	2004/04/19
	1		DERWENT	16:45
	3400	/+un62 on nonci-02 do102\4		
-	3428	(tun\$3 or receiv\$3 or decod\$3) near4	USPAT;	2004/04/19
		(single or dedicat\$3) with (broadcast\$3	DERWENT	16:46
		or station\$1 or service)		
_	155	((tun\$3 or receiv\$3 or decod\$3) near4	USPAT;	2004/04/19
		(single or dedicat\$3) with (broadcast\$3	DERWENT	16:46
	1	or station\$1 or service)) and 725/\$.ccls.	DEIMBILL	10.10
	1 77		MAR DE M	1 2004/04/10
-	77	(((tun\$3 or receiv\$3 or decod\$3) near4	USPAT;	2004/04/19
	ļ	(single or dedicat\$3) with (broadcast\$3	DERWENT	17:05
		or station\$1 or service)) and		
		725/\$.ccls.) and ((interact\$3 or		
		virtual\$3) with (program\$4 or video\$1 or		j l
	1	show\$3 or data\$1))		j l
1_	20/1	remov\$3 near4 tun\$3	USPAT;	2004/04/19
	5941	TOWOAAD HEAT 4 CAHAD		
	1	(n=m===00 m====0 === == == == == == == == == == ==	DERWENT	17:10
1 -	132	(remov\$3 near4 tun\$3) and (725/\$.ccls. or	USPAT;	2004/04/19
		348/\$.ccls. or 386/\$.ccls.)	DERWENT	17:10
-	279	removable near4 tun\$3	USPAT;	2004/04/19
			DERWENT	17:10
-	7	(removable near4 tun\$3) and (725/\$.ccls.	USPAT;	2004/04/20
	·	or 348/\$.ccls. or 386/\$.ccls.)	DERWENT	09:13
1_	545			2004/04/20
	345	725/34,109,110,134,142,32,36.ccls.	USPAT	1 ' '
1				11:16
-	328	725/34,109,110,134,142,32,36.ccls. and	USPAT	2004/04/20
		tun\$3		09:16
-	14	(725/34,109,110,134,142,32,36.ccls. and	USPAT	2004/04/20
1	l	tun\$3) and ((dedicat\$4 or fix\$3 or		09:25
		constant\$3 or devot\$4 or commit\$4) near3		""
				j j
		(tun\$3))		
-	119	725/78.ccls.	USPAT	2004/04/20
	]			09:25
-	69	725/78.ccls. and tun\$3	USPAT	2004/04/20
				09:31
_	4794	((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
	4/34		ODEMI	
	_	devot\$4 or commit\$4) near3 (tun\$3))		10:04
-	1	(725/78.ccls. and tun\$3) and (((dedicat\$4)	USPAT	2004/04/20
		or fix\$3 or constant\$3 or devot\$4 or		09:25
		commit\$4) near3 (tun\$3)))		
-	115	tuner\$1 near2 card\$1	USPAT	2004/04/20
		· · · · · · · · · · · · · · · · · · ·		09:32
	1	1		

Page 9

-	59	(tuner\$1 near2 card\$1) and (725/\$.ccls. or 348/\$.ccls. or 386/\$.ccls.)	USPAT	2004/04/20
-	348	((dedicat\$4 or fix\$3 or constant\$3 or devot\$4 or commit\$4) near3 (tuner\$1))	USPAT	2004/04/20
-	153	(((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
		<pre>devot\$4 or commit\$4) near3 (tuner\$1))) and ((process\$3 or cpu or controller\$1)</pre>		10:05
		<pre>and (memory or storage or store or disk\$1))</pre>		
-	1	5483277.pn.	USPAT	2004/04/20
-	21	5483277.URPN.	USPAT	10:26 2004/04/20
_	100	725/134.ccls.	USPAT	10:21 2004/04/20
_	115	725/109.ccls.	USPAT	11:08 2004/04/20
_	36786	((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	11:08 2004/04/20
		<pre>devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1))</pre>		11:40
-	708	(((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
		devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1)))		11:15
_	215	and 725/\$.ccls. ((((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
		<pre>devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1)))</pre>		11:16
	100	and 725/\$.ccls.) and 348/\$.ccls.	HCDAE	2004/04/22
-	109	725/34,109,110,134,142,32,36.ccls. and ((((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20 11:16
		<pre>devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1)))</pre>		
_	13	and 725/\$.ccls.) ("3278676"   "3456071"   "3485946"	USPAT	2004/04/20
		"3746780"   "4331974"   "4521806"   "4646135"   "4734764"   "4807031"	002112	11:36
		"4829569"   "4849817"   "4924303"		
_	531	"5014125").PN.   (((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
		<pre>devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1)))</pre>		11:41
		<pre>and ((dedicat\$4) with (interactive or service) with (channel\$2 or program\$4))</pre>		
-	174	((((dedicat\$4 or fix\$3 or constant\$3 or	USPAT	2004/04/20
		devot\$4 or commit\$4) near3 (provider\$1 or channel\$1 or broadcast\$3 or station\$1)))		11:41
		and ((dedicat\$4) with (interactive or service) with (channel\$2 or program\$4)))		
_	88	and (tv or television) 725/132.ccls.	USPAT	2004/04/20
_	132	725/132,140,152.ccls.		16:07
_			USPAT	2004/04/20 17:09
-	69099	(remov\$5 or replac\$5 or cartridge\$1 or repair\$4 or detach\$5) near3 (tun\$3 or	USPAT	2004/04/20 16:12
_	22	receiv\$3) 725/132,140,152.ccls. and ((remov\$5 or	USPAT	2004/04/20
		replac\$5 or cartridge\$1 or repair\$4 or detach\$5) near3 (tun\$3 or receiv\$3))		16:21
-	8	("5414756"   "5473609"   "5488409"	USPAT	2004/04/20
		"5541662"   "5768539"   "5856852"   "5949954"   "6008802").PN.		16:18
-	4380	725/\$.ccls.	USPAT	2004/04/20 16:21
-	304	((remov\$5 or replac\$5 or cartridge\$1 or repair\$4 or detach\$5) near3 (tun\$3 or	USPAT	2004/04/20 16:21
_	593	receiv\$3)) and 725/\$.ccls. 725/131,139,157.ccls.	USPAT	2004/04/20
				17:09
_	46	((remov\$5 or replac\$5 or cartridge\$1 or repair\$4 or detach\$5) near3 (tun\$3 or	USPAT	2004/04/20   17:09
		receiv\$3)) and 725/131,139,157.ccls.		

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-	26841	(download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4)	USPAT	2004/04/20 17:20
-	18	or forc\$3 or updat\$3 or upgrad\$3) with	USPAT	2004/04/20 17:20
-	108	forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or	USPAT	2004/04/21
_	1	information\$1)) 5483277.pn.	USPAT	2004/04/21
-	27	725/133,141,157.ccls. and ((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1))	USPAT	2004/04/21 10:42
-	103		USPAT	2004/04/21
_	24	725/133,141,157.ccls. and (((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1)) and (pvr or dvr or record\$3))	USPAT	2004/04/21
-	3		USPAT	2004/04/21
-	32	or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1)) and (pvr or dvr or	USPAT	2004/04/21 09:54
-	1	record\$3)) 5481296.pn.	USPAT	2004/04/21
-	1	"5561457".PN.	USPAT	10:00 2004/04/21 10:01
-	1	"5550576".PN.	USPAT	2004/04/21 10:01
-	1	"5635979".PN.	USPAT	2004/04/21
-	1	"5701451".PN.	USPAT	2004/04/21 10:02
-	1	"5717914".PN.	USPAT	2004/04/21 10:02
_	1		USPAT	2004/04/21
_	43	lajoie.in. and 725/\$.ccls.	USPAT USPAT	2004/04/21 10:28 2004/04/21
_	3	(smith.in. and 725/\$.ccls.) and	USPAT	10:29
_	33277	gateway.as. (Control\$1informat\$3 with (provid\$3 or head\$1end\$1 or broad\$1cast\$3 or station\$1) with2 (stb or stt or	USPAT	10:30 2004/04/21 10:41
_	1897	subscriber or subscriber\$1equipment\$1))	USPAT	2004/04/21 10:41
-	166	and 725/\$.ccls. 725/133,141,157.ccls.	USPAT	2004/04/21
-	77	725/131,139,157.ccls. and (((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1)) and (pvr or dvr or	USPAT	10:41 2004/04/21 10:41
_	593	record\$3)) 725/131,139,157.ccls.	USPAT	2004/04/21

	356	<pre>((Control\$linformat\$3 with (provid\$3 or head\$lend\$1 or broad\$1cast\$3 or station\$1) with2 (stb or stt or subscriber or subscriber\$1equipment\$1)))</pre>	USPAT	2004/04/21 10:42
1	İ	and 725/131,139,157.ccls.		
-	26841	<pre>((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1))</pre>	USPAT	2004/04/21 10:42
-	75	(((Control\$1informat\$3 with (provid\$3 or head\$1end\$1 or broad\$1cast\$3 or station\$1) with2 (stb or stt or	USPAT	2004/04/21 10:44
	!	subscriber or subscriber\$lequipment\$1))) and 725/131,139,157.ccls.) and ( ((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1)))		
_	690	dvr or pvr or digital\$1video\$1record\$3 or personal\$1video\$1record\$3	USPAT	2004/04/21 10:45
	0	<pre>((((Control\$linformat\$3 with (provid\$3 or head\$lend\$1 or broad\$lcast\$3 or station\$1) with2 (stb or stt or subscriber or subscriber\$lequipment\$1))) and 725/131,139,157.ccls. ) and (</pre>	USPAT	2004/04/21 10:45
		((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1)))) and (dvr or pvr or digital\$1video\$1record\$3 or personal\$1video\$1record\$3)		
_	24	( ((download\$3 or forc\$3 or updat\$3 or upgrad\$3) with (interact\$4 or control\$4) with (data or information\$1))) and (dvr or pvr or digital\$1video\$1record\$3 or	USPAT	2004/04/21 10:45
	1	personal\$1video\$1record\$3) 5483277.pn.	USPAT	2004/04/21
-	332	(dedicat\$3 or fixed or constant\$2) near3 (tuner\$1)	USPAT	13:10   2004/04/21   14:37
-	46	((dedicat\$3 or fixed or constant\$2) near3 (tuner\$1)) and 725/\$.ccls.	USPAT	2004/04/21
-	338	725/89,100,68,70.ccls.	USPAT	2004/04/21
-	5	((dedicat\$3 or fixed or constant\$2) near3 (tuner\$1)) and 725/89,100,68,70.ccls.	USPAT	2004/04/22 08:56
_	88	725/132.ccls.	USPAT	2004/04/22 08:56
-	2404725	plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3	USPAT	2004/04/22 10:35
-	65	(plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/132.ccls.	USPAT	2004/04/22 09:56
-	1	5367571.pn.	USPAT	2004/04/22 09:20
_	43	725/140.ccls.	USPAT	2004/04/22 09:58
-	29	(plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/140.ccls.	USPAT	2004/04/22 09:56
_	39	725/152.ccls.	USPAT	2004/04/22 09:58
-	27	(plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/152.ccls.	USPAT	2004/04/22 10:31
-	462	725/131.ccls.	USPAT	2004/04/22 10:45
-	278	725/131.ccls. and (plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or	USPAT	2004/04/22 10:32
	l	cartridg\$3 )		

de91tach84 or detach84 or join33 or (plug near) play) or remov34 or cartridge31 or device31 or tunesf1 or module51)   119 ([plug\$lin\$1] or upgrad\$5 or attach\$3 or defach84 or join33 or (plug near) play) or remov4 or cartridge31 or device31 or tunesf1 or module51)   10					
119	-	510203	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3) with (memory or cartridge\$1 or device\$1	USPAT	2004/04/22
Say 725/141.ccls.   USPAT   2004/04/22   10:56   10:57   10:	-	119	((plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3) with (memory or cartridge\$1 or device\$1 or tuner\$1 or module\$1) ) and (725/131.ccls. and (plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or	USPAT	
S4	_	83	or remov\$4 or cartridg\$3 ))	USPAT	2004/04/22
57   725/153.ccls.   USPAT   2004/04/22   10:59   10	-	54	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	2004/04/22
28	-	57		USPAT	
15	-	28	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	2004/04/22
de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/89.ccls.	-	19	725/89.ccls.	USPAT	1
- 95 725/100.ccls.  (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/100.ccls.  199 725/68.ccls.  121 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/68.ccls.  212 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/68.ccls.  238 725/68.ccls. and ((plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) or device\$1 or tuner\$1 or module\$1 )  25 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/70.ccls.  25 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/70.ccls.  25 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/70.ccls.  29 725/80.ccls.  10 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  10 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  10 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  11 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  2004/04/22 11:06	-	15	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	
53	_	95		USPAT	, , ,
- 121 (plug\$lin\$l or upgrad\$5 or attach\$3 or de\$ltach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/68.ccls. and ((plug\$lin\$l or upgrad\$5 or attach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) or attach\$3 or de\$ltach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) with (memory or cartridg\$3 ) or device\$l or tuner\$l or module\$l )	1	53	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	2004/04/22
de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/68.ccls. and ((plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) with (memory or cartridg\$3 or device\$1 or tuner\$1 or module\$1) )	-	199	725/68.ccls.	USPAT	
or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3) with (memory or cartridge\$1) or device\$1 or tuner\$1 or module\$1) )	-	121	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/68.ccls.	USPAT	
11:07  25 (plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/70.ccls.  39 725/80.ccls.  USPAT 2004/04/22 11:06  USPAT 2004/04/22 11:07  USPAT 2004/04/26 11:43  USPAT 2004/04/26 11:43  USPAT 2004/04/26 11:43  USPAT 2004/04/26 11:43  USPAT 2004/04/26 15:02  Table 10:44  Table 11:07  USPAT 2004/04/26 11:43  USPAT 2004/04/26 15:02  Table 11:07  USPAT 2004/04/26 11:43  USPAT 2004/04/26 15:02  Table 11:07  USPAT 2004/04/26 11:43  USPAT 2004/04/26 15:02  Table 11:07  USPAT 2004/04/26 15:02  Table 11:06  USPAT 2004/04/26 15:02  Table 11:07  USPAT 2004/04/26 15:02  Table 11:06  USPAT 2004/04/26 15:02  Table 11:07  Table 11:07  Table 11:07  Table 11:07  Table 11:07  Table 11:07  USPAT 2004/04/26 15:02  Table 11:06  Table 11:07  Table 11:06  Table 11:07  Table 1	-	38	or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3) with (memory or cartridge\$1	USPAT	
de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/70.ccls.  - 39 725/80.ccls.  USPAT 2004/04/22 11:07  (plug\$1in\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  - 1 6675388.pn.  USPAT 2004/04/22 11:07  USPAT 2004/04/26 11:07  USPAT 2004/04/26 11:43  USPAT 2004/04/26 15:02  - 58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 near3 (tuner\$1))  - 3725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26	-	46	725/70.ccls.	USPAT	, , , , ,
- 39 725/80.ccls.  (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  1 6675388.pn.  1 6675388.pn.  2004/04/26 11:07  USPAT 2004/04/26 11:07  USPAT 2004/04/26 11:43  2004/04/26 11:43  2004/04/26 15:02  58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 15:02  58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 16:44  3 725/\$.ccls. and (((multiple or plural) USPAT 2004/04/26	-	25	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	,
- 31 (plug\$lin\$1 or upgrad\$5 or attach\$3 or de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 ) and 725/80.ccls.  - 1 6675388.pn.  - 1 6675388.pn.  - 2004/04/26 11:43 - 1 6675388.pn.  - 58 725/\$.ccls. and ((multiple or plural) uspat 2004/04/26 near3 (tuner\$1)) - 3 725/\$.ccls. and (((multiple or plural) uspat 2004/04/26	_	39	l '	USPAT	
- 1 6675388.pn. USPAT 2004/04/26 11:43  - 1 6675388.pn. USPAT 2004/04/26 15:02  - 58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 near3 (tuner\$1))  - 3 725/\$.ccls. and (((multiple or plural) USPAT 2004/04/26	_	31	de\$1tach\$4 or detach\$4 or join\$3 or (plug near3 play) or remov\$4 or cartridg\$3 )	USPAT	2004/04/22
- 1 6675388.pn. USPAT 2004/04/26 - 58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 near3 (tuner\$1)) USPAT 2004/04/26 15:02 2004/04/26 16:44 2004/04/26	_	1		USPAT	1
- 58 725/\$.ccls. and ((multiple or plural) USPAT 2004/04/26 near3 (tuner\$1)) 16:44 - 3 725/\$.ccls. and (((multiple or plural) USPAT 2004/04/26	_	_	-	USPAT	2004/04/26
- 3 725/\$.ccls. and (((multiple or plural) USPAT 2004/04/26	-	58	near3 (tuner\$1))	USPAT	2004/04/26
near3 (tuner\$1)) same ((multiple or plural) near3 (store or storag\$3 or record\$3 or memory)))	-	3	725/\$.ccls. and (((multiple or plural) near3 (tuner\$1)) same ((multiple or plural) near3 (store or storag\$3 or	USPAT	2004/04/26 16:47

10		USPAT	2004/04/26
	plural) near3 (store or storag\$3 or		16:59
1	records or memory)))	USPAT	2004/04/26 16:54
1		USPAT	2004/04/26
1		USPAT	2004/04/26
1		USPAT	2004/04/26
1		USPAT	2004/04/26 16:56
1		USPAT	2004/04/26 16:56
1		USPAT	2004/04/26 16:57
1		USPAT	2004/04/26 16:57
1		USPAT	2004/04/26 16:58
0	<pre>microsoft.as. and (((multiple or plural) near3 (tuner\$1)) and ((multiple or plural) near3 (store or storag\$3 or</pre>	USPAT	2004/04/26 16:59
0	tivo.as. and (((multiple or plural) near3 (tuner\$1)) and ((multiple or plural) near3 (store or storag\$3 or record\$3 or	USPAT	2004/04/26 16:59
0	tivo.as. and (((multiple or plural) near3 (tuner\$1 or receiver\$1)) and ((multiple or plural) near3 (store or storag\$3 or	USPAT	2004/04/26 16:59
437	<pre>(((multiple or plural) near3 (tuner\$1 or receiver\$1)) and ((multiple or plural) near3 (store or storag\$3 or record\$3 or</pre>	USPAT	2004/04/26 17:06
8	<pre>memory))) tivo.as. and barton.in.</pre>	USPAT	2004/04/26 17:07
1447	((plural or multiple) near3 (storage or memory or disk\$1)) and (pvr or dvr or recorder\$1)	USPAT	2004/04/27
175	(((plural or multiple) near3 (storage or memory or disk\$1)) and (pvr or dvr or	USPAT	2004/04/27 09:00
11	<pre>((((plural or multiple) near3 (storage or memory or disk\$1)) and (pvr or dvr or recorder\$1)) and 386/\$.ccls.) and</pre>	USPAT	2004/04/27 09:00
141	<pre>((plural or multiple) near3 (storage or memory or disk\$1)) same (pvr or dvr or</pre>	USPAT	2004/04/27 10:48
28	<pre>(((plural or multiple) near3 (storage or memory or disk\$1)) same (pvr or dvr or</pre>	USPAT	2004/04/27 13:56
89	recorders[]) and 386/\$.ccls. 725/46.ccls.	USPAT	2004/04/27
56	725/46.ccls. and (memory or storage) and (preferences) or userslipputs)	USPAT	13:57   2004/04/27   14:03
50	strubbe.in.	USPAT	2004/04/27 14:03
4	strubbe.in. and 725/\$.ccls.	USPAT	2004/04/27 14:41
364	725/25-29,104.ccls.	USPAT	2004/04/27 14:41
393758	(interactive or data or information or control\$linformation) near3 (record\$3 or stor83 or storage or memory)	USPAT	2004/04/27 14:42
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	near3 (tuner\$1)) and ((multiple or plural) near3 (store or storag\$3 or record\$3 or memory)))  1  1  1  1  1  1  1  1  1  1  1  1	near3 (tuner\$1)) and ((multiple or plural) near3 (store or storag\$3 or record\$3 or memory)))  1 USPAT 2 USPAT 3 USPAT 3 USPAT 4 USPAT 4 USPAT 5 USPAT 6 USPAT 7 USPAT 8 USPAT 8 USPAT 9 USPAT 1 USPAT

_	262	725/25-29,104.ccls. and ((interactive or data or information or	USPAT	2004/04/27 14:43
		control\$linformation) near3 (record\$3 or		
_	115	stor\$3 or storage or memory))   (725/25-29,104.ccls. and ((interactive or	USPAT	2004/04/27
		data or information or	OSFAI	14:43
		control\$1information) near3 (record\$3 or		
		stor\$3 or storage or memory))) and 725/104.ccls.		
_	107218	(stor\$3 or record\$3) near3 (data or	USPAT	2004/04/27
		control\$4 or control\$1information) with		14:44
	100	(program\$4 or video\$1 or channel\$2)		2004/04/07
-	199	725/25-29,104.ccls. and ((stor\$3 or record\$3) near3 (data or control\$4 or	USPAT	2004/04/27
1		control\$linformation) with (program\$4 or		
	85	video\$1 or channel\$2))		0004/04/07
_	85	((stor\$3 or record\$3) near3 (data or control\$4 or control\$1information) with	USPAT	2004/04/27
		(program\$4 or video\$1 or channel\$2)) and		15
		((725/25-29,104.ccls. and ((interactive		
		or data or information or control\$1information) near3 (record\$3 or		
	•	stor\$3 or storage or memory))) and		
	85	725/104.ccls.) (725/25-29,104.ccls. and ((stor\$3 or	USPAT	2004/04/27
_	85	record\$3) near3 (data or control\$4 or	USPAT	2004/04/27
		control\$linformation) with (program\$4 or		
		video\$1 or channel\$2))) and (((stor\$3 or		
		record\$3) near3 (data or control\$4 or control\$1information) with (program\$4 or		
		video\$1 or channel\$2)) and		
		((725/25-29,104.ccls. and ((interactive		
		or data or information or control\$1information) near3 (record\$3 or		
	İ	stor\$3 or storage or memory))) and		
	458	725/104.ccls.))		0004/04/07
_	458	(record\$3 or stor\$3) near3 (interactive or enhance\$5) near2 (program\$4 or	USPAT	2004/04/27
		channel\$2 or video\$1)		
_	5	725/25-29,104.ccls. and ((record\$3 or	USPAT	2004/04/27
		stor\$3) near3 (interactive or enhance\$5) near2 (program\$4 or channel\$2 or		14:49
		video\$1))		
-	125	725/25.ccls.	USPAT	2004/04/27
_	245	725/25-29.ccls.	USPAT	14:54
				14:54
_	204	725/25-29.ccls. and (stor\$3 or record\$3)	USPAT	2004/04/27
_	52	(725/25-29.ccls. and (stor\$3 or	USPAT	14:56 2004/04/27
		record\$3)) and (interactive or enhance\$1)		14:56
-	62	725/142.ccls.	USPAT	2004/04/27
-	61	725/142.ccls. and (stor\$3 or record\$3)	USPAT	14:56
				14:56
-	37	(725/142.ccls. and (stor\$3 or record\$3)) and (interactive or enhance\$1)	USPAT	2004/04/27
_	31		USPAT	14:58
		(program\$4) near2 (store\$1 or record\$3)		14:59
		near2 (disk or memory or storage or pvr or dvr)		
_	1	5134499.pn.	USPAT	2004/04/27
		-		15:17
-	85	725/28.ccls.	USPAT	2004/04/27
-	24	725/28.ccls. and (interactive or	USPAT	15:17   2004/04/27
		enhanc\$3)		15:18
-	2637	(record\$3) near4 (trigger\$3)	USPAT	2004/04/27
_	19	   ((record\$3) near4 (trigger\$3)) and	USPAT	15:21   2004/04/27
		725/\$.ccls.		15:21
		- · · · ·		

_	1463	(record\$3) adj4 (trigger\$3)	USPAT	2004/04/27 15:21
-	6	((record\$3) adj4 (trigger\$3)) and 725/\$.ccls.	USPAT	15:21   2004/04/27   15:21
_	248	(play\$1back) near4 (trigger\$3)	USPAT	2004/04/27
-	7	((play\$1back) near4 (trigger\$3)) and 725/\$.ccls.	USPAT	2004/04/27 15:24
_	21		USPAT	2004/04/27 15:25
_	211	(record\$3 or stor\$3) near3 (interactive or enhance\$1) near2 (program\$4)	USPAT	2004/04/27 15:26
-	51	((record\$3 or stor\$3) near3 (interactive or enhance\$1) near2 (program\$4)) and 725/\$.ccls.	USPAT	2004/04/27 15:41
-	10	(pvr or dvr or stb) near4 (stor\$3 or record\$3) near4 (program\$4 or channel\$2)	USPAT	2004/04/27 15:47
-	139	near4 (data or information or EPG or ipg) 725/104.ccls.	USPAT	2004/04/27
-	9	wink.as. and (interactive or enhance\$2)	USPAT	2004/04/27 16:02
-	1	wink.as. and (interactive or enhance\$2) near2 (store)	USPAT	2004/04/27
-	300	(interactive or enhance\$2) near2 (store)	USPAT	2004/04/27
-	11	( (interactive or enhance\$2) near2 (store)) and 725/\$.ccls.	USPAT	2004/04/27
-	2694	<pre>((record\$3 or stor\$3) with2 (play or play\$1back)) same ((enhance\$2 or interactive or trigger\$3) near4</pre>	USPAT	2004/04/27 16:18
-	303	<pre>(program\$4)) (((record\$3 or stor\$3) with2 (play or play\$1back)) same ((enhance\$2 or interactive or trigger\$3) near4</pre>	USPAT	2004/04/27 16:18
-	28	<pre>(program\$4))) and 725/\$.ccls. 725/25-29,104.ccls. and ((((record\$3 or stor\$3) with2 (play or play\$1back)) same ((enhance\$2 or interactive or trigger\$3) near4 (program\$4))) and 725/\$.ccls.)</pre>	USPAT	2004/04/27
-	125	725/25.ccls.	USPAT	2004/04/27 16:24
-	1697016	trigger\$3 or vbi or control or control\$1information or metadata	USPAT	2004/04/27
-	117	725/25.ccls. and (trigger\$3 or vbi or control or control\$1information or	USPAT	2004/04/27 16:32
-	8	metadata)   tivo.as. and (record\$3 or stor\$3) and   (vbi or v\$1chip or rating\$1)	USPAT	2004/04/27 16:35
-	0	geocast.as. and (record\$3 or stor\$3) and (vbi or v\$1chip or rating\$1)	USPAT	2004/04/27 16:35
_	0	geocast.as.	USPAT	2004/04/27 16:35
-	101	intel.as. and (record\$3 or stor\$3) and (vbi or v\$1chip or rating\$1)	USPAT	2004/04/27
-	29	(intel.as. and (record\$3 or stor\$3) and (vbi or v\$1chip or rating\$1)) and 725/\$.ccls.	USPAT	2004/04/27 16:47
_	77	(interactive or enhance\$1) near3	USPAT	2004/04/27
-	6	(program\$4) and meta\$1data ((interactive or enhance\$1) near3 (program\$4) and meta\$1data) and	USPAT	16:48 2004/04/28 08:41
		725/\$.ccls.		